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TECHNOLOGY CENTER 2800

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty. Docket

ERIC SHEN

US 010408

Serial No. 09/930,730

Group Art Unit: 28

Filed: AUGUST 15, 2001

Examiner:

Title: METHOD FOR COLOR MIXING WITH ARC STABILITY AND STRAIGHTENING OF  
HID LAMPS OPERATED AT HIGH FREQUENCIES USING DUTY CYCLE MODULATION

Honorable Commissioner for Patents, Washington, D.C. 20231

LETTER

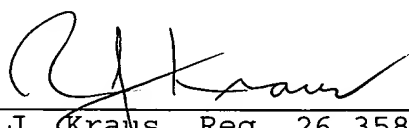
Sir:

Pursuant to the duty of disclosure set forth in 37 CFR 1.56,  
Applicant calls to the attention of the Patent and Trademark Office a  
Search Report issued abroad in reference to a corresponding foreign  
application. A copy of the Search Report dated OCTOBER 18, 2002 is  
attached.

The enclosed document is being called to the attention of the  
Patent and Trademark Office solely to comply with the duty of  
disclosure set forth in 37 CFR 1.56 and is not intended to be  
construed as an admission by the Applicants that any of the documents  
listed is material.

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:	
Commissioner of Patents and Trademarks Washington, D.C. 20231	
Date:	<u>Nov. 1, 2002</u>
By:	<u>Chessa De Luccy</u>

Respectfully submitted,

By   
Robert J. Kraus, Reg. 26,358  
Attorney  
Encl. Search Report

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

# PCT

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT  
OR THE DECLARATION

(PCT Rule 44.1)

To: INTERNATIONAAL OCTROOIBUREAU B.V. Attn. Dusseldorp, Jan C. Prof. Holstlaan 6 NL-5656 AA Eindhoven NETHERLANDS
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18 OCT 2002

Applicant's or agent's file reference <b>PHUS010408W0</b>
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Date of mailing (day/month/year)	<b>18/10/2002</b>
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International application No. <b>PCT/IB 02/03269</b>
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International filing date (day/month/year)	<b>14/08/2002</b>
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Applicant  <b>KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>
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1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland  
 Facsimile No.: (41-22) 740.14.35

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**For more detailed instructions,** see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within **19 months** from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within **20 months** from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016
--

Authorized officer

**Clifford Lekahena**

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PHUS010408WO</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/IB 02/ 03269</b>	International filing date (day/month/year) <b>14/08/2002</b>	(Earliest) Priority Date (day/month/year) <b>15/08/2001</b>
Applicant <b>KONINKLIJKE PHILIPS ELECTRONICS N.V.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

2  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/03269

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H05B41/292 H05B41/392

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 184 633 B1 (KRAMER JERRY M) 6 February 2001 (2001-02-06) column 2, line 8 -column 2, line 21 column 3, line 45 -column 3, line 55 column 4, line 48 -column 5, line 36; figures 1A,1B,2B ---	1,13
A,P	WO 02 30162 A (KONINKL PHILIPS ELECTRONICS NV) 11 April 2002 (2002-04-11) page 2, line 25 -page 3, line 10 page 7, line 16 -page 9, line 7; figures 1,3,5,7 --- -/--	1,13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

10 October 2002

Date of mailing of the international search report

18/10/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Speiser, P

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 02/03269

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 6 369 518 B1 (ZHU HUILING ET AL) 9 April 2002 (2002-04-09) column 4, line 27 -column 4, line 67; figure 2 & JP 2000 223077 A (MATSUSHITA) 11 August 2000 (2000-08-11) ----	1,13
A	STORMBERG H-P ET AL: "EXCITATION OF ACOUSTIC INSTABILITIES IN DISCHARGE LAMPS WITH PULSED SUPPLY VOLTAGE" LIGHTING RESEARCH AND TECHNOLOGY, ILLUMINATING ENGINEERING SOCIETY, LONDON, GB, vol. 15, no. 3, 1 March 1983 (1983-03-01), pages 127-132, XP002052920 ISSN: 0024-3426 page 129, left-hand column, line 45 -page 130, right-hand column, line 32; figure 2 ----	1,13
A	EP 0 744 883 A (PRAEZISA IND ELEKTRONIK) 27 November 1996 (1996-11-27) ----	
A	US 5 483 126 A (BOENIGK MICHAEL ET AL) 9 January 1996 (1996-01-09) -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 02/03269

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6184633	B1	06-02-2001	CN	1320356 T	31-10-2001
			WO	0079841 A1	28-12-2000
			EP	1110435 A1	27-06-2001
WO 0230162	A	11-04-2002	WO	0230162 A2	11-04-2002
			US	2002041165 A1	11-04-2002
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			AT	177283 T	15-03-1999
			CA	2113692 A1	20-07-1994
			DE	59309416 D1	08-04-1999
			EP	0607600 A1	27-07-1994
			ES	2131090 T3	16-07-1999
			FI	940263 A	20-07-1994
			HU	65972 A2	29-08-1994
			JP	6231895 A	19-08-1994